

RURAL DISTRICT COUNCIL

- OF -

BASFORD.

ANNUAL REPORT

- FOR -

—& 1905. &—

BY

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1906.

RURAL DISTRICT COUNCIL OF BASFORD.

Chairman - - WM. WALKER, Esq., J.P. (Appointed April, 1903).

Vice=Chairman - WM. OLDERSHAW, Esq. (Appointed April, 1903).

<i>Parishes.</i>	<i>District Councillors.</i>	<i>Parishes.</i>	<i>District Councillors.</i>
Annesley and Felley	- MR. J. T. BARKER (7)	Kimberley	- MR. W. CHAMBERS (2)
Awsworth	- - „ J. H. HUNT (1)	Lambley	- „ S. PLUMB (6)
Barton	- REV. C. A. HODGSON (21)	Lynby	- „ J. JENNISON (1)
Bestwood Park	MR. J. H. BRADWELL (19)	Newstead	- „ J. B. SMITH (19)
Bilborough	- „ R. MOORE (9)	Nuthall	- „ W. B. HANSON (9)
Bradmore	- „ T. WALKER (16)	Papplewick	- „ J. W. CUNDY (8)
Brinsley	- „ W. TAYLOR (26)	Ruddington	- „ W. LOWE (1)
Bunny	- REV. S. G. O. ANDERSON (2)	Selston	- REV. C. HARRISON (2)
Burton Joyce	MR. E. W. ENFIELD, J.P. (4)	„	- MR. W. WOOD (2)
Calverton	- MR. W. CLIFTON (6)	Shipley	- „ P. WALKER (14)
Clifton	REV. ROSSLYN BRUCE, M.A., B.D. (1)	Stoke Bardolph	„ A. A. AVIS (8)
Codnor Park	- MR. A. F. WRIGHT, J.P. (10)	Strelley	- „ W. OLDERSHAW (11)
Colwick	- REV. W. B. CURRAN (1)	Thrumpton	MR. W. F. FAULCONBRIDGE (1)
Cossall	- MR. E. PAXTON (15)	Trowell	- MR. J. M. TOWSON (3)
Gamston	- „ W. WALKER (19)	Wilford (South)	REV. J. CLOUGH (8)
Gedling	- „ H. TAYLOR (11)	Wollaton	MR. C. E. M. S. PILKINGTON (2)
Gotham	- REV. F. A. WODEHOUSE (9)	Woodborough	MR. C. H. HILL, J. P. (7)
Greasley	- MR. J. BENTLEY (3)		

The numbers in parenthesis after each name represent the number of years service.

The period elected for expires this year in the following Parishes, viz :—Cossall, Gamston, Gedling, Gotham, Kimberley, Lambley, Lynby, Newstead, and Nuthall.

TO THE CHAIRMAN AND MEMBERS OF THE RURAL DISTRICT
COUNCIL OF BASFORD.

Report.

The following is my Report for 1905.

THE DISTRICT.

THE RURAL DISTRICT OF BASFORD consists of 35 parishes—33 in Nottinghamshire and 2 in Derbyshire. To meet the requirements of the County Councils, I have divided this Report into two parts, the first relates to the Nottinghamshire parishes, and the second to those of Derbyshire.

THE COUNCIL consists of 34 members, the parishes of Annesley and Felley being joined together and having one representative. Several changes have taken place in the constitution of the Council since my last Report. Mr. J. W. Hunt replaces Mr. W. Bonner in the representation of Awsworth after a contested election. Rev. Rosslyn Bruce and Rev. W. Curran succeed Messrs. Reynolds and Hooton for Clifton and Colwick respectively. Mr. W. Lowe was returned for Ruddington after a contested election, which resulted in a tie, and was eventually decided by the Returning Officer in Mr. Lowe's favour, and Mr. W. Faulconbridge was returned unopposed for Thrumpton in succession to the late Mr. Briggs.

THE SANITARY OFFICERS.—These remain the same as last year, viz., Mr. Maylan, Surveyor and Chief Inspector; Mr. Winders, Assistant Sanitary Inspector, and Inspector of Dairies and Cowsheds; and Mr. Renwick, Junr., Inspector of Canal Boats. I am pleased to again be able to say that all your Officers work harmoniously together, and that an enormous amount of work has been done during the year. The Sanitary Inspectors visit the Public Offices, Basford (which is their official address) daily, at 9 a.m., and all the Officers attend there on Friday mornings, from 10 to 12.30, to receive complaints, confer on matters which have arisen in connection with the work, and arrange visits of inspection, etc.

PART I.

THE NOTTS. PORTION OF THE DISTRICT.

The following table shows the parishes, areas, inhabited houses, and the populations of the Parishes and Sub-Districts, according to the corrected Census of 1901, also the estimated populations for 1905:—

Sub-District		Parishes included	Acres	Inhabited Houses. Census 1901	Population Census 1901	Estimated Population 1905
No.	Name					
Population						
1—Greasley 21948	{	Brinsley	957	276	1418	1510
		Kimberley	838	1045	5129	5276
		Selston	3318	1443	7071	7786
		Annesley	3125	265	1271	1271
		Greasley	5424	1155	5694	6064
		Felley	413	7	41	41
2—Ilkeston 1398	{	Cossall	987	196	940	958
		Trowell	1621	81	434	440
3—Beeston 541		Wollaton	2097	126	541	541
4—Bulwell 3283	{	Bilborough	1098	43	202	202
		Strelley	1069	44	205	205
		Awsworth	367	300	1529	1606
		Nuthall	1349	122	592	620
		Bestwood Park ..	3729	114	650	650
5—Arnold 4416	{	Lynby	1488	56	319	319
		Newstead	3258	188	1100	1100
		Papplewick	1986	69	346	346
		Calverton	3424	280	1159	1159
		Woodborough	1945	186	722	722
		Lambley	2174	190	770	770
6—Carlton 3039	{	Burton Joyce	1388	224	931	931
		Gedling	1918	181	785	900
		Stoke Bardolph ..	1115	47	213	213
		Colwick	1340	196	899	899
		Ganston	448	19	96	96
7—Wilford 5465	{	Ruddington	2990	593	2493	2650
		Bradmore	1254	59	230	230
		Bunnv	2137	54	205	205
		Gotham	2563	245	1009	1009
		Thrumpton	1014	39	167	167
		Barton	1564	62	288	288
		Clift'n-cum-Glapt'n	1921	79	362	362
		Wilford	1549	131	554	554
Totals ..		61868	8115	38365	40090	

VITAL STATISTICS.

Tables of Statistics are placed at the end, viz.:—Tables I. to V. recently adopted by the Local Government Board, instead of Tables A and B; and Tables VI. and VII. (formerly III. and IV.) recommended by the Society of Medical Officers of Health. These latter refer to the Nottinghamshire portion of the District only. There are also tables giving the Meteorological conditions at different points in and around the District during the year.

Statistics not belonging to the District and quoted for comparison are those for Rural England and Wales, and are derived from the "Quarterly Returns" of the Registrar-General, which, as they are averaged, are liable to slight discrepancies when compared with those given in his "Annual Report." The difference, however, will not cause serious error, or greatly affect the conclusions to be derived therefrom.

THE POPULATION.—For the purpose of estimating the population, I have divided the Districts into two groups of parishes, (i) those that are evidently—from the birth-rate and the building of houses—going ahead as regards increase of population, and (ii) those that may be described as truly rural, and almost at a stand-still or declining in population. The former I have estimated after the Registrar-General's method of assuming that the rate of increase which obtained in the last intercensal period will continue in this one, and the latter I have placed at the last Census figure. By these means I arrive at the estimate of 40,090, and on this amount the rates which appear later on in this Report are calculated. Building operations were active in the Parishes of Selston, Kimberley, Brinsley, Greasley, Ruddington, and Gedling; plans for no less than 274 houses and two factories were passed by the General Purposes Committee during the year. With regard to the factories, adequate means of escape in case of fire were insisted on, to meet the requirements of the Factory and Workshop Act of 1901.

I may add that the Committee continue to act up to their decision to pass no plan which does not conform to the new Bye-laws, and already the benefit of this action is apparent in the better class of cottage property which is springing up in the District.

Considerable outcry has recently been made against the stringency of the Model Bye-laws, and their deterring influence on building prospects in Rural Districts, and an attempt has been made at the "Garden City," at Letchworth, to show how they may be modified and cheaper dwellings built. A visit to Letchworth will not convince anyone on the economical side of the question, and the fact that plans for houses, on an average of considerably over 200 per year, have been passed by your Committee since the adoption of your present Bye-laws (in 1896), shows that they are not too stringent, and have no deterring effect—at any rate—in the mining portions of the District.

MARRIAGES.—The number of persons married was 598. This corresponds to a Marriage rate of 14·9 per 1000 of population, a slight increase on the rate for 1904.

BIRTHS.—1173 births were registered during the year. Of these 593 were males and 580 females. Among the males 28, and among the females 29, were illegitimate.

Their registration was distributed over the four quarters of the year as follows:—

		Legitimate.				Illegitimate.				
		Males.		Females.		Males.		Females.		Total
1st quarter	..	153	..	126	..	9	..	12	..	300
2nd	„	135	..	125	..	8	..	7	..	275
3rd	„	145	..	176	..	5	..	7	..	333
4th	„	132	..	124	..	6	..	3	..	265
Totals		..	565		551	28		29		1173

The births during the seven years immediately preceding were as follows:—

Year.	Number of Births.	
1904	1288	
1903	1293	
1902	1250	
1901	1234	
1900	1172	
1899	1215	
1898	1145	

The Natural increase, *i.e.*, the excess of births over deaths, was 603, and the birth rate 29·25 per 1000. This rate is a decrease on last year's rate of 30·19.

DEATHS.—The corrected number of deaths is 576, and gives a death rate of 14·3 per 1000, *i.e.*, 7 below the rate for 1904; it is 6 below the death rate for Rural England and Wales, *viz.*, 14·9.

SEASONAL MORTALITY.—The numbers occurring in each quarter of the year and in the 7 preceding years are as follows:—

	1898	1899	1900	1901	1902	1903	1904	1905
1st quarter	149 ..	144 ..	230 ..	160 ..	159 ..	136 ..	190 ..	164
2nd ,,	141 ..	144 ..	123 ..	165 ..	122 ..	119 ..	112 ..	132
3rd ,,	143 ..	160 ..	134 ..	139 ..	120 ..	134 ..	150 ..	138
4th ,,	139 ..	167 ..	126 ..	133 ..	135 ..	156 ..	147 ..	142
	<u>572</u>	<u>615</u>	<u>613</u>	<u>597</u>	<u>543</u>	<u>545</u>	<u>599</u>	<u>576</u>

The following recorded rates for 1905 are for comparison:—

Death rate for England and Wales..	..	..	15·2
„ ,, 76 Great Towns ..	..	..	15·7
„ ,, 141 other Town Districts ..	..	..	14·4
„ ,, Rural England and Wales ..	..	..	14·9
„ ,, London ..	..	..	15·6
„ ,, Nottingham ..	..	..	16·5
„ ,, Basford Rural District ..	..	..	14·3

AGE MORTALITY.—The numbers during the past 8 years are given below:—

	Deaths. under 1 year.	Deaths. under 5 years.	Deaths. 5 to 65 years.	Deaths. 65 years and upwards.
1898 ..	163	.. 214	.. 194	.. 164
1899 ..	188	.. 242	.. 207	.. 166
1900 ..	195	.. 239	.. 211	.. 163
1901 ..	202	.. 284	.. 184	.. 129
1902 ..	176	.. 224	.. 172	.. 147
1903 ..	170	.. 239	.. 178	.. 128
1904 ..	157	.. 216	.. 234	.. 149
1905 ..	139	.. 209	.. 208	.. 159

These figures show the mortality at the extremes of life.

THE INFANT DEATH RATE was 118·4 per 1000 registered births, as compared with 121·1 in 1904; 241·3 per 1000 total deaths; and 3·4 per 1000 living. The rate for Rural England and Wales was 113.

DEATHS IN PUBLIC INSTITUTIONS numbered 34, viz.—Basford Workhouse, 16; County Asylum, 4; General Hospital, 8; Children's Hospital, 1; and the Sanatorium, 5. These particulars are now obtained by the County Medical Officer of Health, and distributed by him amongst the different Districts of the County, so that the statistics of each may be as nearly correct as possible.

INQUESTS.—Coroners' inquests were held in 28 cases (as compared with 34 in 1904).

The age periods were:—

Under 1 yr.	1-5 yrs.	5-15 yrs.	15-25 yrs.	25-65 yrs.	65 yrs. upwards.
0	2	1	5	18	2

The following were returned as causes of death:—

Drowned	4
Syncope and Heart Disease	3
Burns and Scalds	1
Run over (Railway)	5
Colliery Accidents	7
Suicide	1
Other causes	7
	—
	28

UNCERTIFIED DEATHS.—15 deaths have been registered as “not certified” during the year, as compared with 9 in 1904. The following is a classification:—

Uncertified Deaths.					
Causes.			Age-periods.		
Convulsions ..	2	..	0—1 yrs.	..	7
Heart Disease ..	4	..	1—5 „	..	1
Premature Birth	4	..	15—25 „	..	0
Epilepsy ..	1	..		..	0
Apoplexy ..	1	..	25—65 „	..	2
Other causes ..	3	..	65 and upwards	..	5
	—				—
	15				15

Table showing the number and distribution of Inquests held, and the uncertified deaths recorded during 1905.

REGISTRATION SUB-DISTRICT	INQUESTS held in the District during the year 1905					DEATHS recorded as "uncertified" during the year 1905				
	1st Quarter	2nd Quarter	3rd Quarter	4th Quarter	Total	1st Quarter	2nd Quarter	3rd Quarter	4th Quarter	Total
Greasley	2	..	2	3	7	5	..	..	1	6
Ilkeston	..	1	1	1	3	..	..	..	..	..
Beeston	..	..	..	..	..	..	..	..	..	..
Bulwell	1	..	1	1	3	..	..	1	1	2
Arnold	1	..	3	1	5	..	..	..	2	2
Carlton	2	2	2	1	7	..	..	..	1	1
Wilford	1	1	..	1	3	1	..	2	1	4
Totals	7	4	9	8	28	6	..	3	6	15
Rate per 100 .. total deaths	4.2	3.0	6.5	5.6	5.0	3.6	0.0	2.1	4.2	2.6
Percentage England and Wales	6.4	6.9	6.9	7.1	6.8	1.8	1.6	1.4	1.7	1.6

EPIDEMIC DEATHS.—78 deaths are recorded as occurring from the seven principal Epidemic diseases, viz:—(1) Small-pox, (2) Scarlet Fever, (3) Diphtheria, (4) Fevers (including Typhus, Enteric or Typhoid), and other continued fevers, (5) Measles, (6) Whooping Cough, and (7) Diarrhœa.

The **EPIDEMIC DEATH-RATE**, derived from the above-mentioned diseases was 1.94 per 1000 living, *i.e.*, .1 above that of the previous year. The Epidemic death-rate for Rural England and Wales was 1.09 per 1000 living.

Further particulars of Epidemic Mortality are given in the following table:—

DISEASES.	TOTAL DEATHS FROM EPIDEMIC DISEASES, DURING									Annual Average of 9 years, 1897-1905	Proportion of Deaths to 1000 Deaths in 1905
	1897	1898	1899	1900	1901	1902	1903	1904	1905		
Small-Pox .. ..	..	..	..	..	..	..	1	1	..	·2	0·0
Measles	3	3	4	6	17	1	18	4	26	9·1	45·1
Scarlet Fever ..	2	8	9	5	5	2	..	8	7	5·1	12·1
Diphtheria	4	..	2	4	9	4	5	9	15	5·7	26·0
Whooping Cough ..	25	4	9	8	7	6	23	16	6	11·5	10·4
Typhus Fever .. ..	..	..	..	..	..	..	..	..	..	..	..
Enteric Fever ..	16	6	7	5	5	2	5	5	8	5·4	13·8
Continued Fever ..	..	..	..	..	..	..	..	..	..	..	..
Diarrhœa	18	30	25	20	31	19	28	29	16	24·0	27·7
TOTALS ..	68	51	56	48	74	34	80	72	78	62·3	135·4

A.—NOTIFIABLE EPIDEMIC DISEASES.—

The diseases notified in this District are those enumerated in the Infectious Diseases Notification Act (1889), viz., Small-pox, Cholera, Diphtheria, Membranous Croup, Erysipelas, the disease known as Scarlatina, or Scarlet Fever, and the Fevers known by any of the following names:—Typhus, Typhoid, Enteric, Relapsing, Continued or Puerperal, and by an order of the Local Government Board Plague has been added.

The following Tables show the monthly occurrence of these diseases, and the deaths recorded:—

Cases of Notifiable Diseases occurring in each month of 1905.

Month	Scarlet Fever	Diph'teria & Memb Croup	Enteric Fever	Ery- sipelas	Puer- peral Fever	Small- pox	Totals
January ..	31	4	1	2	1	..	39
February ..	23	8	3	4	..	..	38
March ..	19	5	4	4	..	1	33
April ..	5	2	1	4	..	..	12
May ..	3	7	3	5	..	..	18
June ..	9	1	3	4	..	..	17
July ..	6	2	3	1	..	..	12
August ..	8	2	2	5	1	..	18
September ..	13	11	9	3	..	..	36
October ..	42	11	7	5	..	..	65
November ..	51	3	4	5	..	..	63
December ..	16	9	4	3	..	..	32
Totals ..	226	65	44	45	2	1	383

Deaths from Notifiable cases in each month of 1905.

Month	Scarlet Fever	Diph'teria & Memb Croup	Enteric Fever	Ery- sipelas	Puer- peral Fever	Small- pox	Totals
January ..	2	2	..	..	..	..	4
February ..	..	1	..	..	1	..	2
March ..	..	..	1	..	..	..	1
April ..	1	..	..	..	..	..	1
May ..	..	2	1	..	..	..	3
June ..	..	1	2	..	..	..	3
July ..	..	..	..	..	..	..	..
August ..	..	1	..	1	1	..	3
September ..	3	2	1	..	..	..	6
October ..	1	1	1	..	..	..	3
November ..	..	2	2	..	..	..	4
December ..	..	3	..	..	..	..	3
Totals..	7	15	8	1	2	..	33

The cost of notification during the year has amounted to £47 17s. 6d., or an average of £1 3s. 11d. per 1000 of the population.

The table below shows the cases notified, and the deaths during the past nine years.

			Scarlet Fever	Diphtheria & Mem. Croup	Enteric Fever	Erysipelas	Continued Fever	Peurperal Fever	Small-pox	Cholera	Totals
Notified Cases in :—											
„	„	1897	92	9	71	48	..	3	..	..	223
„	„	1898	143	8	41	28	..	2	..	..	222
„	„	1899	256	11	46	34	..	..	..	..	347
„	„	1900	260	36	58	43	..	2	..	..	399
„	„	1901	320	48	62	48	..	1	..	..	479
„	„	1902	147	37	28	33	1	2	..	..	248
„	„	1903	115	33	41	34	..	1	53	..	277
„	„	1904	251	42	32	33	..	2	10	..	370
„	„	1905	226	65	44	45	..	2	1	..	383
Deaths from Notifi- able Diseases in											
„	„	1897	2	4	16	1	..	2	..	..	25
„	„	1898	8	..	6	2	..	2	..	..	18
„	„	1899	9	2	7	3	..	..	..	..	21
„	„	1900	5	4	5	1	..	3	..	..	18
„	„	1901	5	9	5	1	..	..	..	..	20
„	„	1902	2	4	2	..	..	..	..	..	8
„	„	1903	..	5	5	..	..	2	1	..	13
„	„	1904	8	9	5	2	..	3	1	..	28
„	„	1905	7	15	8	1	..	2	..	..	33

DISINFECTION.—On receipt of a notification I send a leaflet of “Rules for the prevention of the spread of Infectious Diseases” and one of “Rules for the admission of patients into the Basford Sanatorium” together with an addressed post-card to the occupier of the house in which the disease has occurred. I also inform the inspector, and if it be one which it is desirable should be isolated in Hospital. I visit it immediately myself, with a view to early removal. On the post-card being returned, signed by the Doctor in attendance, the house is visited and disinfected by an Officer of the Council.

During the year, 285 cards were sent out, and of these 247 were returned and the houses disinfected.

SCARLET FEVER.—226 cases were notified, as compared with 251 in 1904 and there were seven fatal cases.

The chief incidence of the disease was in the parishes of Kimberley 107 cases, Selston 39 cases, Gotham 19 cases, Nuthall 12 cases, Ruddington 12 cases, and Greasley 10 cases. It was most prevalent in the first and last quarters of the year, and the large number of cases was no doubt due to (*a*) the existence of mild unrecognised cases; (*b*) the carelessness of the parents in allowing the affected ones to mix with other children before being quite free from infection, and (*c*) the reluctance of parents and medical attendants to take advantage of isolation in the Sanatorium for the first cases in the different villages. To this latter cause there have been several exceptions in the past, which go to prove the benefit of early isolation. The case-mortality was 3·1 per cent., made up of 2·9 per cent. for those treated in hospital, and 3·2 per cent. for those treated at home. Three of the fatal cases were malignant, otherwise the epidemic was of a mild type.

DIPHTHERIA AND MEMBRANOUS CROUP.—There has been a marked increase in the prevalence of Diphtheria in the District, as well as in the Country at large, during the past year. This I attribute to the existence of mild and unrecognised cases attending school, and not so much to the insanitary conditions of home surroundings, though no doubt the latter favour the development of the disease. In November last you decided to supply Diphtheria Antitoxin free to all medical men practising in the District, and that was a step in the right direction, you might now go a step further, and agree to pay the fee (2/6) for the bacteriological confirmation of the diagnosis. This would help the detection of early and doubtful cases, and no doubt check the spread of the disease. There were 65 cases notified, and of these 15 proved fatal. 18 cases were removed to the Sanatorium, of which two were fatal.

ENTERIC FEVER.—44 cases were notified, and eight proved fatal. Six of the cases were removed to the Sanatorium and one ended fatally. I specially reported on a small group of these cases, in which the water supply was suspected, but after chemical

and bacteriological examination it was proved wholesome, and could not have been the cause of the outbreak. In all cases where, on inspection, insanitary conditions were found, these were promptly put right.

ERYSIPELAS.—45 cases were notified, and one death of an infant at Gedling occurred.

PUERPERAL FEVER.—Two cases were notified, and both proved fatal. It is important that all cases of this disease and its sub-divisions should be notified, as under the Midwives Act, 1902, I am required to report on each to the County Council.

SMALL-POX.—One case was notified. This proved to be a modified one, was treated at home, and the usual precautions taken, and no extension of the disease took place.

B.—NON-NOTIFIABLE EPIDEMIC DISEASES.

MEASLES was very prevalent right through the year and almost universally throughout the District, and necessitated the closure of a large number of Schools, a list of which is appended later on. 26 deaths occurred, and the death-rate was '64 per 1000.

WHOOPIING COUGH was not quite so prevalent as one might expect from the prevalence of Measles, the two diseases generally following each other or occurring at the same time, and in epidemic form. The deaths amounted to six, and the death-rate was '14 per 1000.

DIARRHŒA caused 16 deaths, as compared with 29 in 1904. This disease chiefly attacks infants under one year of age who are hand-fed, and whose diet as a rule is unsuitable. *Milk is the best diet for Infants, and when mother's milk is not available, fresh cow's milk is next best, but in summer time—when the disease is most prevalent—the milk should be boiled, and if stored, protected from dust and flies.*

SCHOOL CLOSURE in 1905. The following is a list of Schools closed, and the diseases necessitating the closure:—

Linby	..	..	Diphtheria	..	..	Jan. 20	to	Feb. 5
Gedling	..	..	Measles	..	..	March 7	„	April 11
Annesley	..	..	„	..	..	„ 21	„	„ 11
Awsworth	..	..	„	..	..	„ 21	„	„ 11
Kimberley	..	..	„	..	..	„ 3	„	March 24

Stoke Bardolph	..	Measles	..	..	April 8	to	April	29
Wilford	..	..	..	..	May 1	..	May	29
Colwick	..	..	..	..	..	I	..	29
Lambley	..	..	..	..	..	11	..	June 8
Barton	..	..	..	..	..	15	..	.. 5
Woodborough	..	..	..	..	June 7	..	July	6
Dove Green	..	..	..	..	..	8	..	.. 3
Westwood	..	..	..	..	..	8	..	.. 3
Bagthorpe	..	..	..	..	..	8	..	.. 3
Underwood	..	..	..	..	..	20	..	.. 3
Underwood	..	..	..	..	Sept. 6	..	Oct.	1
Bagthorpe	..	..	..	..	..	14	..	.. 16
Brinsley	..	..	..	..	Oct. 27	..	Nov.	13
Westwood	..	..	Scarlet Fever	..	Nov. 13	..	Dec.	4
Beauvale	..	..	Measles	..	..	..	29	.. 20

C.—OTHER DISEASES.

CANCER caused 25 deaths, as compared with 33 in 1904, which is practically the average of the previous 16 years. The death rate was '6 per 1000.

INFLUENZA was prevalent in the first quarter and nine deaths resulted, chiefly in elderly people, and complicated with chest affections.

PHTHISIS caused 34 deaths, as compared with 36 in 1904. This is a marked interruption of the steady and continuous decrease in the mortality from this and other kindred diseases, grouped under the head of Tuberculosis, which had been taking place during the last few years.

COMPARATIVE TABLE.

<i>Annual Death-rate per 1000 living.</i>									
	Total Deaths	Principal Epidemic Diseases	Measles	Scarlet Fever	Diphtheria	Whooping Cough	Fever	Diarrhoea	Small-pox
Rural England and Wales, 1905	14·9	1·09	·24	·09	·15	·20	·09	·32	..
B'ford Rl. Dis. 1905	14·3	1·94	·64	·17	·37	·14	·19	·37	..
„ „ 1904	15·0	1·81	·10	·20	·22	·40	·12	·74	·02
„ „ 1903	13·8	2·03	·45	..	·12	·58	·12	·71	·02
„ „ 1902	13·9	·87	·02	·05	·10	·15	·05	·48	..
„ „ 1901	15·5	1·92	·44	·13	·24	·18	·13	·80	..
„ „ 1900	15·4	1·21	·15	·12	·10	·20	·12	·50	..
„ „ 1899	15·7	1·43	·10	·23	·05	·23	·17	·63	..
„ „ 1898	14·8	1·32	·07	·20	·00	·10	·15	·77	..
„ „ 1897	15·7	1·77	·07	·05	·10	·65	·40	·46	..

THE SANATORIUM.—The Hospital Committee have met ten times at the Sanatorium, and nine times at the Nottingham Offices, the average attendance being six.

The chief matters of importance to record are:—

Several changes in the nursing and domestic staff have taken place. Miss Taylor was appointed Matron, and commenced her duties early in December, at the same time two trained Nurses and two Probationers were appointed, and have taken up their duties, and are already giving every satisfaction.

New Rules and Regulations for the Management of the Hospital have been adopted; also a form of agreement for Probationers to sign on for two years training after a satisfactory three months' trial.

The Ambulance has been thoroughly overhauled and painted, and indiarubber tyres fitted to the wheels; this last improvement has been much appreciated on the long journeys which are often made. All the wards have been painted and the floors planed, stained, and polished; and the iron fence round the grounds has had two coats of black varnish to preserve it.

The Sanatorium has been in use for the isolation of patients during the whole of the year, and during the last quarter it was practically full. I append tables similar to those of last year, showing the number of cases notified and isolated in each parish, and a general statistical table for the Sanatorium for the year.

The Monthly Admissions were as follows:—January (9), Scarlet Fever 7, Diphtheria 2; February (7), Scarlet Fever 3, Enteric Fever 2, Diphtheria 2; March (8), Scarlet Fever 5, Diphtheria 3; April (4), Scarlet Fever 2, Diphtheria 2; May (3), Scarlet Fever 2, Enteric Fever 1; June (5), Scarlet Fever 5; July (3), Scarlet Fever 2, Diphtheria 1; August (5), Scarlet Fever 5; September (11), Scarlet Fever 8, Enteric Fever 2, Diphtheria 1; October (22), Scarlet Fever 19, Enteric Fever 2, Diphtheria 1; November (14), Scarlet Fever 14; December (12), Scarlet Fever 7, Diphtheria 5.

The following table shows the cases notified in each parish and those removed to the Sanatorium.

NOTTS. PORTION.

Sub-District	Parish	CASES NOTIFIED.			Cases Isolated in the Sanatorium		
		Scarlet Fever	Enteric Fever	Diphtheria	Scarlet Fever	Enteric Fever	Diphtheria
1 Greasley	{ Brinsley ..	1	5	5	0	0	0
	{ Kimberley ..	107	7	5	25	1	0
	{ Selston ..	39	14	3	18	1	3
	{ Annesley & Felley ..	8	8	0	2	1	0
	{ Greasley ..	10	1	7	0	0	1
2 Ilkeston	{ Cossall ...	2	0	0	0	0	0
	{ Trowell ..	0	0	0	0	0	0
3 Beeston	Wollaton ..	0	0	1	0	0	0
4 Bulwell	{ Bilborough ..	0	0	0	0	0	0
	{ Stielley ..	0	0	0	0	0	0
	{ Awsworth ..	1	1	0	1	0	0
	{ Nuthall ..	12	3	0	9	0	0
	{ Bestwood Park ..	0	0	4	0	0	0
5 Arnold	{ Linby ..	0	0	3	0	0	2
	{ Newstead ..	2	0	0	0	0	0
	{ Papplewick ..	0	0	1	0	0	0
	{ Calverton ..	0	0	0	0	0	0
	{ Woodboro' ..	0	1	5	0	0	5
	{ Lambley ..	1	0	8	1	0	1
6 Carlton	{ Burton Joyce ..	5	1	0	3	1	0
	{ Gedling ..	0	0	3	0	0	0
	{ Stoke Bardolph ..	4	0	0	0	0	0
	{ Colwick ..	0	0	9	0	0	2
	{ Gamston ..	3	0	0	0	0	0
7 Wilford	{ Ruddington ..	12	3	10	6	2	4
	{ Bradmore ..	0	0	0	0	0	0
	{ Bunny ..	0	0	0	0	0	0
	{ Gotham ..	19	0	0	4	0	0
	{ Thrumpton ..	0	0	1	0	0	0
	{ Barton ..	0	0	0	0	0	0
	{ Clifton-cum-Glaption ..	0	0	0	0	0	0
	{ Wilford ..	0	0	0	0	0	0
	Totals ..	226	44	65	69	6	18

THE SANATORIUM.

1905 RURAL DISTRICTS	Remaining in from 1904				Admitted in 1905				Discharged in 1905				Died in 1905				Remaining in on Jan. 1st, 1906				Average No. of days in of cases discharged in 1905		
	Scarlet Fever	Enteric Fever	Diph- theria	Total	Scarlet Fever	Enteric Fever	Diph- theria	Total	Scarlet Fever	Enteric Fever	Diph- theria	Total	Scarlet Fever	Enteric Fever	Diph- theria	Total	Scarlet Fever	Enteric Fever	Diph- theria	Total	Scarlet Fever	Enteric Fever	Diph- theria
Notts.	11	..	..	11	69	6	18	93	63	5	10	78	2	1	2	5	15	..	6	21	41	39	36
Derbyshire	..	..	..	..	9	..	..	9	8	..	..	8	..	..	..	..	1	..	..	1	49	..	..
Total	11	..	..	11	78	6	18	102	71	5	10	86	2	1	2	5	16	..	6	22	..	..	..

GENERAL.

By far the greater part of the surface of the District is occupied by the Trias, or new red sandstone formation, the two divisions of which—the Keuper and the Bunter—form broad bands several miles across. The Permian rocks occupy a narrow area along the western border of the Bunter beds, followed by a patch of coal measures—an easterly extension of the Derbyshire coal-field. There are also the drift deposits and the alluvium of the river valleys.

With the exception of the river valleys which are flat, the configuration of the District is gently undulating, the highest point being not more than 600 ft. above sea-level; it is watered by many small brooks, more or less polluted by receiving crude sewage from the hamlets near which they flow.

The District is essentially rural in character, the density of the population being less than 1 person per acre. The male population is chiefly employed in the collieries which abound in the north and the west portions of the District; whilst in the south and east, agriculture and framework knitting are the chief occupations followed. The younger members of the community generally find employment at the lace and hosiery factories which are developing in the villages.

WATER.—Several important extensions of the Selston water mains were made, chiefly connected with new streets in that parish, and the parish of Annesley changed its supply from Kirkby to that of Selston. At Wilford an extension was made from the blacksmith's shop to the Ferry Inn, so that now a supply of the Nottingham Corporation water is available for the whole of the village. Plans for the supply of the village of Strelley with Corporation water have been got out, and the work will soon be proceeded with. A constant and wholesome supply is still needed at Old Cossall, Woodborough, and Lambley, and the parishes south of the Trent (except Wilford).

SEWERAGE.—Several important matters in this connection have taken place during the year. Colwick and Gedling Schemes are in full working order. The Sewerage of Burton Joyce was nearly finished at the end of the year. The Selston Scheme has been in hand the whole of the year, and satisfactory progress has been made. Application for a loan of £4,700 for purposes of Sewerage and Sewage Disposal for Brinsley has been made to the Local Government Board, and an Inquiry

was held on October 26th, 1905, but sanction had not been granted at the end of the year. Acting under "an Order of Court," the Joint Committee controlling the Newthorpe Outfall Works have made considerable progress in preparing to treat the Sewage there. The Sewage of Annesley, which formerly polluted the upper reaches of the Leen, is now treated by broad irrigation on some waste sandy land, and the pollution has ceased.

FACTORY AND WORKSHOP ACT, 1901.—Section 132 of this Act requires me to report specifically on the administration of the Act in workshops and workplaces, and send a copy of my Report to the Secretary of State.

FACTORIES.—Plans for two factories were passed conditional on the plans showing adequate means of escape where necessary, and this condition has been complied with. No notice has been received from H.M. Inspector of Factories with respect to sanitary defects.

WORKSHOPS AND WORKPLACES.—As a rule these are clean and possess sufficient means of ventilation, but in winter-time there is great difficulty in getting the workpeople to make use of them.

BAKEHOUSES.—As far as I know, there is no underground bakehouse in the District. In two of the bakehouses I visited I found it necessary to order lime-washing, and this was done.

HOME WORK.—The work put out is chiefly lace mending and hosiery seaming. The out-workers as a rule are thrifty and their homes clean, but the very fact of their taking in home-work in many cases points to large families; still in no case coming under my notice have I come across a case of preventible overcrowding, and no case of notifiable infectious disease has occurred in an out-worker's home.

The employers have regularly sent in lists of out-workers, and where names occurred, not in your District, they have been sent on to the Council of the District in which they work.

CANAL BOATS ACT.—The Canals (including the river Trent) under the supervision of your Officer are 23 miles long, and have 20 wharves and 32 locks. Heavy goods such as coal, bricks, ironstone, and timber are carried in the boats, and occasionally night-soil. Portions of the Canal were closed for a time for repairs.

During the past year 70 boats have been inspected, and their condition generally has been satisfactory, no cases of Infectious Disease, nor of over-crowding having occurred, and the boatmen have always given every facility for inspection.

It was found necessary to issue two notices to remedy defects, and in each case the requirements of your Inspector were complied with.

Owing to the localized character of the traffic on these Canals, there is very little fresh to report on from year to year. Probably the traffic, if anything, is decreasing.

THE INFECTIOUS DISEASES PREVENTION ACT, 1890.—This Act, with the exception of Section 4, was adopted, and after the formalities had been duly observed, came into force on October 6th, 1903.

WORK DONE.—53 Statutory Notices to abate nuisances have been served during the year, and all but three were complied with at its close. In addition many hundred Informal Notices were served either personally or through the post; these and other sanitary matters necessitated the writing and copying of over 1500 letters during 1905. Also 520 letters in connection with New Buildings were sent out, and over 1200 inspection notices returned, and the premises inspected, some of them as many as four times. Each case of infectious disease has been visited, and a record kept of the sanitary condition of the premises, the milk and water supply, and the action taken to remedy any existing insanitary condition. All complaints, whether anonymous or not, received immediate attention, and in addition to our ordinary visits of inquiry, the District has been regularly and systematically inspected by Mr. Maylan and myself together.

In conclusion, it may appear to you that a great deal of what I have written regarding certain points in connection with the District might just as well have been left out, in extenuation I will quote from a "Memorandum as to Annual Reports," recently received from the Local Government Board. "With regard to such points it should be remembered that these reports are for the information of the Board, and of the County Council as well as of the Council of the District, and that a statement of the local circumstances and history of local sanitary questions, which may seem superfluous for the latter, may often be needed by the former bodies."

PART II.

THE DERBYSHIRE PORTION OF THE DISTRICT.

The Derbyshire portion of your District now consists of the Parishes of Codnor Park and Shipley, Codnor having been annexed to Heanor as from the 1st April, 1899.

The following Table shows the Sub-District in which each is placed, with its area, and population according to the Census of 1901, and estimated population in middle of 1905.

Sub-District	Parish included	Acres	Inhabited Houses Census 1901	Population Census 1901	Estimated Population 1905
1. Greasley	Codnor Park	1458	192	933	868
2. Ilkeston	Shipley ..	2111	124	657	644
	Totals ..	3569	316	1590	1512

BIRTHS.—43 births were registered during the year. Their distribution between the parishes was as follows:—

	LEGITIMATE.				ILLEGITIMATE.				Total.
	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.	
Codnor Park ..	9	11	1	—	—	—	—	—	21
Shipley ..	14	8	—	—	—	—	—	—	22
	—	—	—	—	—	—	—	—	—
	23	19	1	0					43

The natural increase was 22 and the birth-rate 28·4 per 1000 living.

DEATHS.—The corrected number of deaths is 21. These do not include 13 deaths which occurred within the District of persons not belonging thereto. The death-rate was 13·8 per 1000 living.

THE INFANT DEATH RATE was 46·5 per 1000 registered births: 95·2 per 1000 deaths; and 1·3 per 1000 living.

DEATHS IN PUBLIC INSTITUTIONS.—These amounted to 14 in Ilkeston Hospital, which is situated just inside the Shipley boundary.

INQUESTS were held in 15 cases, including 13 in Ilkeston Hospital.

The following were returned as causes of death :—

Colliery Accidents	4
Burns	5
Drowned	1
Suicide (drowning)	1
Other Causes	4
	—
	15

UNCERTIFIED DEATHS.—No case was registered as “not certified.”

A.—NOTIFIABLE EPIDEMIC DISEASES.—The Diseases notified are those enumerated in the Infectious Diseases Notification Act, 1889, which has been in force in the District since January 1st, 1890.

SCARLET FEVER.—14 cases at Codnor Park, were notified, and 9 cases were removed to the Sanatorium.

ENTERIC FEVER.—One fatal case at Shipley.

DIPHTHERIA.—One non-fatal case at Shipley.

ERYSIPELAS.—Four cases at Codnor Park and one at Shipley were notified. All recovered.

DISINFECTION is carried out on the same lines as in the Nottingham portion of the District. Fourteen houses were disinfected.

B.—NON-NOTIFIABLE EPIDEMIC DISEASES.—These include Measles, Whooping Cough, and Diarrhœa. One death from Diarrhœa and two from Measles were registered in Codnor Park ; and one from Whooping Cough in Shipley.

SLAUGHTER-HOUSES.—As far as I know, there are no Slaughter-houses or places where food is prepared for human consumption in either Codnor Park or Shipley. The inhabitants are dependent on the shops in Ilkeston, Heanor, and Ironville for what they require.

FACTORY AND WORKSHOP ACT, 1901.—With the exception of the Collieries and a Workshop in connection with Gas-making Plant in Shipley, and the Butterley Ironworks in Codnor Park, there is nothing in the parishes which comes under the Act, as they are essentially rural in character.

THE WATER SUPPLY of the District is in a fairly satisfactory condition. Codnor Park and part of Shipley are supplied on the constant system from waterworks promoted by private enterprise. To supplement or replace these supplies, it will be possible for Shipley to obtain a supply from the new Ilkeston mains, and for Codnor Park to draw from the Derwent Valley water mains at Aldercar when they are completed. Already an agreement has been entered into by which the Midland Railway Company will obtain a supply for their station at Codnor Park from the Ilkeston and Heanor mains.

THE SEWERAGE OF THE DISTRICT.—At Codnor Park this is not satisfactory, but to make it so would be a most difficult and expensive engineering work, and I am not at present prepared to advise you to consider it. At Shipley, a small scheme for sewerage Shipley Common has been prepared by Mr. Maylan, but is at present postponed. The rest of Shipley is sewered to three small outfalls, designed by the late Mr. Sebastian Smith, of Shipley, where the sewage, after sedimentation in a tank, is screened and filtered through coal, and gives a high degree of purification. A peculiarity about these tanks is the thickness of the scum on the top, and the entire absence of smell.

THE SCAVENGING of the District is done privately by the Colliery proprietors, and is satisfactory. The tub-closets, which predominate in the District, are cleaned out weekly, and the refuse disposed on the land.

THE DAIRIES AND COWSHEDS of which there are three registered, have been inspected, and found in a satisfactory condition.

I have the honour to be, Gentlemen,

Your obedient Servant,

G. B. WRAY.

115, WATERLOO CRESCENT,
NOTTINGHAM,

February, 1906.

SANTITARY AUTHORITY.	PRECAUTIONS TAKEN BY INSPECTOR AGAINST INFECTIOUS DISEASE, THE SALE OF ADULTERATED FOOD AND DRUGS AND UNSOUND MEAT, AND UNDER THE CANAL BOATS ACT.									
	All infectious diseases notified by Medical Attendant to M.O.H. and visited by Inspector and by M.O.H. when necessary; cases either re- moved to Isolation Hospital or isolated at home. Notice sent to M.O.H. when better or removed to Hospital, and premises then disin- fected by Official of the Council. No action has been necessary re food and drugs. A Canal Boat Inspector appointed, and Canal Boats regularly inspected and reported upon to the Council and Local Government Board.									
Name of District: comprising the parishes of Codnor Park and Shipley, in the County of Derby (administered by the Rural Dis- trict Council of Basford).	Totals									
	10									
Area: 3,569 Acres. Population (Census 1901): 1,590. No. of Houses (Census 1901) 316. Name of Inspector: S. MAYLAN. A. WINDERS. Assistant.	Foul Condition of Houses									
	...									
	Overcrowding									
	...									
	Smoke nuisance									
	...									
	Pigsties									
	...									
	Animals improperly kept									
	...									
	Offensive accumulations									
	...									
	Water Supply									
	...									
	Urinals defective									
	...									
	Flues-spouts and Down- spouts									
	...									
	Surface of Courts and Yards									
	...									
	Closets and Ashpits									
	...									
	DRAINAGE									
	...									
	Informal Notices served by In- spectors ... Legal notices served by Authority ... Nuisances abated									
	...									
	DRAINAGE									
	...									
	No disconnection of Waste Pipe Defective Traps Inlets, and Drains Drains obstructed									
	...									
	Insanitary Privies and Ashpits Insufficient Closet accommodation Conversion of Privies into W.C.'s Defective Water Closets									
	...									
	DAIRES AND COWSHEDS									
	...									
	BAKEHOUSES									
	...									
	SLAUGHTER HOUSES									
	...									
	OFFENSIVE TRADES									
	...									
	COMMON LODGING HOUSES									
	...									
	WORKSHOPS									
	...									
	Total Number of Inspections made									
	53									

Signed, S. MAYLAN.

DERBYSHIRE PORTION.

TABLE I.

For whole District.

Year	Population estimated to middle of each Year.	BIRTHS		TOTAL DEATHS REGISTERED IN THE DISTRICT				TOTAL DEATHS IN PUBLIC INSTITUTIONS IN THE DISTRICT	Deaths of Non-residents registered in Public Institutions in the District	Deaths of Residents registered in Public Institutions beyond the District	NETT DEATHS AT ALL AGES BELONGING TO THE DISTRICT	
				Under 1 year of Age		At all Ages					Rate	
		Number	Rate	Number	Rate per 1,000 Births registered	Number	Rate					
1	2	3	4	5	6	7	8	9	10	11	12	13
1897	5753	177	30.7	27	152.5	97	16.8	18	16	2	83	14.4
1898	5790	168	28.9	25	149.4	101	17.4	14	12	2	91	15.7
1899	1745	40	22.9	3	75.0	22	12.6	8	5	3	20	11.4
1900	1743	44	25.2	8	181.8	33	18.9	11	8	3	28	16.0
1901	1590	46	28.9	14	304.3	33	20.7	5	3	2	32	20.1
1902	1569	40	25.5	8	200.0	45	28.6	12	12	5	38	24.2
1903	1552	40	25.7	5	125.0	29	18.6	7	7	0	22	14.1
1904	1535	38	24.7	3	78.9	39	25.4	9	9	0	30	19.5
*Averages for years 1899-1904	1622	41	25.5	7	160.8	33	20.6	8	7	2	28	17.5
1905	1512	43	28.4	2	46.5	34	22.4	14	13	0	21	13.8

* NOTE.—Prior to 1896 the Statistics were not separated from those of the Notts. portion of the Basford Rural District ; and in 1899 Codrur was transferred to Heanor.

DERBYSHIRE PORTION.

TABLE II.

NAMES OF LOCALITIES		1. CODNOR PARK				2. SHIPLEY			
YEAR	Population estimated to middle of each Year	Births registered	Deaths at all Ages	Deaths under 1 Year	Population estimated to middle of each Year	Births registered	Deaths at all Ages	Deaths under 1 Year	
	<i>a</i>	<i>b</i>	<i>c</i>	<i>d</i>	<i>a</i>	<i>b</i>	<i>c</i>	<i>d</i>	
1897 ..	1080	20	24	..	667	16	6	..	
1898 ..	1081	22	18	..	664	16	8	..	
1899 ..	1082	25	12	..	663	15	8	..	
1900 ..	1083	30	17	6	660	14	11	2	
1901 ..	933	38	24	11	657	8	8	3	
1902 ..	916	27	27	6	653	13	11	2	
1903 ..	902	30	13	5	650	10	9	0	
1904 ..	888	18	12	1	647	20	18	2	
Averages of Years 1897 to 1904 }	967	28	17	6	655	13	11	2	
1905 ..	865	21	13	1	644	22	8	1	

DERBYSHIRE PORTION.

TABLE III.

Cases of Infectious Disease notified during the Year 1905.

NOTIFIABLE DISEASE	CASES NOTIFIED IN WHOLE DISTRICT						TOTAL CASES NOTIFIED IN EACH LOCALITY		No. OF CASES REMOVED TO HOSPITAL FROM EACH LOCALITY.	
	At all Ages	At Ages — Years					1	2	1	2
		Under 1	1 to 5	5 to 15	15 to 25	25 to 65				
Small-pox ..	..	..	..	..	..	..	..	..	..	..
Cholera ..	..	..	..	..	..	..	..	..	..	..
Diphtheria ..	1	..	1	..	..	..	..	1	..	..
Membranous Croup ..	..	..	..	..	..	..	..	..	..	..
Erysipelas ..	5	..	..	..	..	..	4	1	..	..
Scarlet Fever ..	14	..	2	12	..	..	14	..	9	..
Typhus Fever ..	..	..	..	..	..	..	..	..	..	..
Euteric Fever ..	1	..	..	..	..	1	1	1	..	..
Relapsing Fever ..	..	..	..	..	..	..	..	..	..	..
Continued Fever ..	..	..	..	..	..	..	..	..	..	..
Puerperal Fever ..	..	..	..	..	..	..	..	..	..	..
Plague ..	..	..	..	..	..	..	..	..	..	..
Totals ..	21	..	3	12	..	6	18	3	9	..

DERBYSHIRE PORTION.

TABLE IV.

Causes of, and Ages at, Death during Year 1905.

CAUSES OF DEATH	DEATHS IN WHOLE DISTRICT AT SUBJOINED AGES							DEATHS IN LOCALITIES (AT ALL AGES)		DEATHS IN PUBLIC INSTITUTIONS
	All Ages	Under 1	1 and under 5	5 and under 15	15 and under 25	25 and under 65	65 and upwards	CODNOR PARK	SHIPLEY	
Small-pox .. ..	..	..	..	..	..	..	..	..	..	..
Measles	2	..	2	..	..	..	..	2	..	..
Scarlet Fever ..	..	..	..	..	..	..	..	..	..	..
Whooping Cough ..	1	..	1	..	..	..	..	..	1	..
Diphtheria and Membranous Croup ..	..	..	..	..	..	..	..	..	..	..
Croup .. ..	..	..	..	..	..	..	..	..	..	..
Fever { Typhus ..	..	..	..	..	..	..	..	..	..	..
{ Enteric ..	1	..	..	..	..	1	..	..	1	..
{ Other contnd. ..	..	..	..	..	..	..	..	..	..	..
Epidemic Influenza ..	..	..	..	..	..	..	..	..	..	..
Cholera .. ..	..	..	..	..	..	..	..	..	..	..
Plague .. ..	..	..	..	..	..	..	..	..	..	..
Diarrhœa	1	1	..	..	..	..	..	1	..	..
Enteritis .. ..	..	..	..	..	..	..	..	..	..	..
Puerperal Fever ..	..	..	..	..	..	..	..	..	..	..
Erysipelas .. ..	..	..	..	..	..	..	..	..	..	..
Other Septic Diseases ..	..	..	..	..	..	..	..	..	..	..
Phthisis .. ..	..	..	..	..	..	..	..	..	..	..
Other Tubercular Diseases ..	..	..	..	..	..	..	..	..	..	..
Cancer, Malignant Disease ..	2	..	1	..	..	1	..	2	..	..
Bronchitis	1	..	..	..	..	..	1	1	..	..
Pneumonia	1	..	..	..	..	..	1	..	1	..
Pleurisy .. ..	..	..	..	..	..	..	..	..	..	..
Other Diseases of Respiratory Organs ..	1	..	1	..	..	..	..	1	..	..
Alcoholism	1	..	..	..	..	..	1	1	..	..
Cirrhosis of Liver } ..	..	..	..	..	..	..	..	..	..	..
Venereal Diseases ..	..	..	..	..	..	..	..	..	..	..
Premature Birth ..	..	..	..	..	..	..	..	..	..	..
Diseases and Accidents of Parturition ..	..	..	..	..	..	..	..	..	..	..
Heart Diseases ..	1	..	..	..	..	1	..	1	..	..
Accidents	14	..	4	1	2	5	2	..	14	12
Suicides	1	..	..	..	..	1	..	1	..	..
Convulsions .. ..	..	..	..	..	..	..	..	..	..	..
Rheumatic Fever ..	..	..	..	..	..	..	..	..	..	..
All other causes ..	7	1	1	..	1	3	1	3	4	2
All causes	34	2	10	1	3	12	6	13	21	14

NOTTS. PORTION.

TABLE I.

YEAR	Population estimated to Middle of each Year	BIRTHS		TOTAL DEATHS REGISTERED IN THE DISTRICT				TOTAL DEATHS IN PUBLIC INSTITUTIONS IN THE DISTRICT	Deaths of Non-residents registered in Public Institutions in the District	Deaths of Residents registered in Public Institutions beyond the District	NETT DEATHS AT ALL AGES BELONGING TO THE DISTRICT	
		Number	Rate*	Under 1 Year of Age		At all Ages					Number	Rate*
				Number	Rate per 1,000 Births registered	Number	Rate*					
1	2	3	4	5	6	7	8	9	10	11	12	13
*(1) 1896	42,920	1382	32'20	210	151'95	626	14'58	..	..	24	950	15'14
*(2) 1897	38,330	1143	29'82	164	143'48	588	15'33	..	..	15	603	15'73
1898	38,527	1145	29'74	163	142'35	552	14'32	..	..	20	572	14'87
1899	39,120	1215	31'05	188	154'73	585	14'95	..	..	30	615	15'72
1900	39,651	1172	29'55	195	166'38	585	14'75	..	..	25	613	15'46
1901	38,357	1234	32'17	202	163'69	563	14'67	..	..	34	597	15'56
1902	38,872	1250	32'15	176	140'80	513	13'19	..	..	30	543	13'96
1903	39,262	1293	32'93	170	131'47	523	13'32	..	..	22	545	13'88
1904	39,676	1288	30'19	157	121'11	574	14'46	..	..	25	599	15'09
Averages for years 1897-1904	38,974	1217	30'95	177	145'50	560	14'37	..	..	25	588	15'03
1905	40,090	1173	29'25	139	118'49	542	13'51	..	..	34	576	14'36

NOTES. — *(1) In 1896 Kirkby and Eastwood assumed Urban powers.

*(2) In 1897 the District was separated into the Notts. and Derbyshire portions, and it is only since this date that the Statistics are comparable, and an accurate average can be obtained.

(3) At the Census of 1901 the Acreage of the Notts. portion was 62,629; the population, 38,357; number of inhabited houses, 8,118; and average number of persons per house, 4'72. The figures for each Parish in the Notts. portion are given in the Table on page 4 of this Report.

NOTTS. PORTION.
TABLE II.

NAMES OF LOCALITIES	1. GREASLEY				2. ILKESTON.				3. BEESTON.				4. BULWELL.				5. ARNOLD.				6. CARLTON.				7. WILFORD.			
	Population esti- mated to middle of each year.	Births registered	Deaths at all Ages	Deaths under 1 year	Population esti- mated to middle of each year	Births registered	Deaths at all Ages	Deaths under 1 year	Population esti- mated to middle of each year	Births registered	Deaths at all Ages	Deaths under 1 year	Population esti- mated to middle of each year	Births registered	Deaths at all Ages	Deaths under 1 year	Population esti- mated to middle of each year	Births registered	Deaths at all Ages	Deaths under 1 year	Population esti- mated to middle of each year	Births registered	Deaths at all Ages	Deaths under 1 year	Population esti- mated to middle of each year	Births registered	Deaths at all Ages	Deaths under 1 year
1896*	19,722	717	289	105	1545	44	30	12	624	6	10	1	3263	97	47	22	4365	145	69	21	2494	45	33	4	5167	148	76	16
1897*	20,730	663	311	99	1603	44	25	8	618	10	8	1	3293	105	47	15	4351	126	95	18	2575	59	34	5	5160	136	83	18
1898	20,558	677	290	99	1609	44	25	7	613	10	11	2	3275	101	50	20	4345	126	76	14	2897	49	25	5	5130	138	95	16
1899	20,969	725	340	118	1608	43	22	4	606	8	9	3	3375	117	51	21	4333	118	78	24	3009	62	25	3	5220	142	90	15
1900	21,390	703	326	121	1600	45	17	4	600	7	6	1	3316	91	41	16	4315	121	91	16	3160	66	33	6	5270	139	99	24
1901	20,624	769	343	141	1377	40	19	8	541	13	6	1	3178	99	39	12	4416	106	53	11	2914	82	44	9	5307	125	93	20
1902	21,034	771	317	133	1398	51	19	4	541	13	3	1	3221	94	34	8	4416	112	40	5	2939	72	31	5	5323	137	69	20
1903	21,356	782	319	122	1398	41	21	3	541	5	9	0	3249	121	41	10	4416	104	53	13	2963	95	45	9	5339	145	57	13
1904	21,608	788	312	88	1398	44	22	5	541	10	5	1	3259	109	67	23	4416	99	64	11	3008	98	38	11	5436	140	91	18
Averages of Years 1897 to 1904	21,033	735	319	118	1499	44	21	5	575	9	7	1	3271	104	46	15	4376	114	69	14	2933	73	34	6	5273	137	84	14
	21,948	724	303	93	1398	30	23	4	541	16	10	1	3283	89	50	13	4416	104	70	11	3039	87	50	8	5465	123	70	9

*Notes.—See Notes to Table I.

NOTTS. PORTION.

TABLE III.

Cases of Infectious Disease notified during the Year 1905.

NOTIFIABLE DISEASE.	CASES NOTIFIED IN WHOLE DISTRICT.						TOTAL CASES NOTIFIED IN EACH LOCALITY.							No. OF CASES REMOVED TO HOSPITAL FROM EACH LOCALITY.						
	At all Ages	At Ages—Years					1	2	3	4	5	6	7	1	2	3	4	5	6	7
		Under 1	1 to 5	5 to 15	15 to 25	25 to 65														
Small-pox ..	1	..	..	..	1	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..
Cholera ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Diphtheria ..	65	1	12	43	5	4	20	..	1	4	17	12	11	4	..	..	..	8	..	..
Membranous ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Erysipelas ..	45	1	3	3	6	27	17	..	..	5	12	8	3	..	..	..	..	..	..	..
Scarlet Fever ..	226	3	52	143	22	6	165	2	..	12	3	12	32	45	..	..	10	1	3	10
Typhus Fever ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Enteric Fever ..	44	1	2	11	16	14	35	..	..	4	..	2	3	3	..	..	..	..	1	2
Relapsing Fever ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Continued Fever ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Puerperal Fever ..	2	..	..	..	2	..	2	..	..	..	..	..	..	..	..	..	..	..	..	..
Plague ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Totals ..	383	6	69	200	52	51	240	2	1	25	32	34	49	52	..	..	10	9	6	16

NOTTS. PORTION.

TABLE IV.

Causes of, and ages at, Death during Year 1905.

CAUSES OF DEATH	DEATHS IN OR BELONGING TO WHOLE DISTRICT AT SUBJOINED AGES							DEATHS IN OR BELONGING TO LOCALITIES (AT ALL AGES)							TOTAL DEATHS IN PUBLIC INSTITU- TIONS
	All ages	Under 1	1 and under 5	5 and under 15	15 and under 25	25 and under 65	65 and upwards	GREASLEY	ILKESTON	BEESTON	BULWELL	ARNOLD	CARLTON	WILFORD	
Small-Pox ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Measles ...	26	2	22	2	...	...	...	18	...	...	1	4	3	...	...
Scarlet Fever ...	7	1	2	3	1	...	...	6	...	...	1	...	...	...	2
Whooping Cough ...	6	4	2	...	...	...	...	2	...	...	1	2	...	1	...
Diphtheria and Mem- branous Croup ...	15	...	4	10	1	...	...	6	...	...	...	4	3	2	2
Croup ...	2	...	2	...	...	...	...	2	...	...	...	...	...	...	...
Fever { Typhus ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
{ Enteric ...	8	1	...	2	4	1	...	8	...	...	...	...	...	...	1
{ Other contnd. ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Epidemic Influenza ...	9	...	...	...	1	4	4	4	...	1	1	...	1	2	...
Cholera ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Plague ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Diarrhœa ...	16	12	3	...	...	1	...	13	1	...	2	...	...	...	...
Enteritis ..	6	4	1	1	...	...	...	5	...	...	...	1	...	...	...
Puerperal Fever ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Erysipelas ...	1	1	...	...	...	...	...	...	...	...	...	...	1	...	...
Other Septic Diseases ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Phthisis ...	34	1	...	2	8	23	...	18	4	...	2	2	4	4	2
Other Tubercular Diseases ...	21	8	5	6	1	...	1	14	...	...	1	2	2	2	1
Cancer, Malignant Diseases ..	25	...	...	...	...	14	11	9	1	2	3	2	4	4	...
Bronchitis ...	52	17	3	...	...	7	25	31	...	1	2	12	3	3	5
Pneumonia ...	40	12	10	2	4	7	5	25	...	1	5	2	2	5	1
Pleurisy ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Other Diseases of Respiratory Organs	9	2	3	1	...	1	2	4	1	...	...	2	...	2	1
Alcoholism } ...	6	...	...	...	...	3	3	4	...	1	...	...	1	...	...
Cirrhosis of Liver }	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Venereal Diseases ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Premature Birth ...	26	26	...	...	...	...	...	13	...	...	6	4	2	1	...
Diseases and Accidents of Parturition ...	4	...	...	...	2	2	...	3	1	...	...	...	...	...	...
Heart Diseases ...	63	...	...	1	3	24	35	26	1	2	8	8	4	14	4
Accidents ...	25	...	2	1	5	15	2	8	2	...	1	5	6	3	1
Suicides ...	1	...	...	...	...	1	...	...	...	...	...	...	1	...	...
All other causes ..	174	48	11	4	2	38	71	84	12	2	16	20	13	27	14
All causes ...	576	139	70	35	32	141	159	303	23	10	50	70	50	70	34

NOTTS. PORTION.

TABLE V.

Infantile Mortality during the Year 1905.

Deaths from stated Causes in Weeks and Months under One Year of Age.

CAUSE OF DEATH																	Total Deaths under One Year
	Under 1 Week	1-2 Weeks	2-3 Weeks	3-4 Weeks	Total under 1 Month	1-2 Months	2-3 Months	3-4 Months	4-5 Months	5-6 Months	6-7 Months	7-8 Months	8-9 Months	9-10 Months	10-11 Months	11-12 Months	
All Causes { Certified ...	22	5	9	5	41	15	11	10	5	8	11	8	5	3	6	9	132
Uncertified ..	5	..	1	..	6	1	..	..	..	..	..	..	..	..	..	..	7
Common Infectious Diseases.																	
Small-Pox ...	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Chicken-Pox ...	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Measles ...	..	..	..	..	..	..	..	..	..	..	..	..	..	..	I	I	2
Scarlet Fever ...	..	..	..	..	..	..	..	..	..	..	..	..	..	..	I	..	1
Diphtheria: Croup ...	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Whooping Cough ..	..	..	..	..	..	..	..	..	I	..	I	I	..	I	..	..	4
Diarrhœal Diseases.																	
Diarrhœa, all forms ...	..	..	..	..	..	..	..	2	I	..	5	3	I	..	..	..	12
Enteritis ...	..	..	..	..	..	I	..	2	..	..	..	..	I	..	..	..	4
Gastritis, Gastro-intestinal Catarrh ...	..	..	..	..	..	..	..	..	..	I	..	..	..	..	..	..	1
Wasting Diseases.																	
Premature Birth ..	19	1	5	1	26	..	..	..	..	..	..	..	..	..	..	..	26
Congenital Defects ...	1	..	..	..	1	1	2	..	..	1	..	..	..	..	..	..	5
Injury at Birth ...	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Want of Breast-Milk ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Atrophy, Debility, Marasmus	4	..	..	1	5	4	1	1	..	..	1	..	..	..	..	..	12
Tuberculous Diseases.																	
Tuberculous Meningitis ...	..	..	..	..	..	..	..	..	..	1	..	..	1	..	..	..	2
Tuberculous Peritonitis: Tabes Mesenterica ...	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	1	2
Other Tuberculous Diseases	..	..	..	..	..	2	..	..	..	..	1	..	1	..	1	..	5
Erysipelas ...	..	..	1	..	1	..	..	..	..	..	..	..	..	..	..	..	1
Syphilis ...	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Rickets ...	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Meningitis ...	..	..	..	..	..	..	..	..	..	2	..	..	..	..	..	1	3
Convulsions ...	..	1	2	2	5	2	4	1	1	..	1	..	..	..	..	..	14
Bronchitis ...	..	..	2	..	2	4	2	1	1	1	..	2	..	1	1	2	17
Laryngitis ...	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	1
Pneumonia ...	..	..	..	1	1	..	1	1	1	1	2	1	1	..	1	2	12
Suffocation, overlaying	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Other Causes ...	3	3	..	..	6	1	1	2	..	1	..	1	..	1	1	1	15
	27	5	10	5	47	16	11	10	5	8	11	8	5	3	6	9	139

Births in the year { legitimate, 1116.
 { illegitimate, 57.

Population—Estimated to middle of 1905, 40,090.
 Deaths from all Causes at all Ages, 576.

Erysipelas	..	..	..	..
Pyæmia, Septicæmia	..	..	..	..
Puerperal Fever	..	..	..	..

Deaths Registered from all Causes during the Year 1905.

	AGES.											TOTALS
	0 to 1	1 to 5	5 to 15	15 to 25	25 to 35	35 to 45	45 to 55	55 to 65	65 to 75	75 to 85	85 & up- wards	
3.—DISEASES OF CIRCULATORY SYSTEM.												
Pericarditis .. .. .	..	..	..	..	..	..	..	..	..	..	..	..
Acute Endocarditis .. ..	..	..	..	..	..	1	..	..	..	..	..	1
Valvular Diseases of Heart .. ..	..	..	..	1	2	1	3	7	7	3	..	24
Other Diseases of Heart .. ..	..	..	1	2	..	..	4	6	13	11	2	39
Aneurism .. .. .	..	..	..	..	..	..	..	..	..	..	..	..
Embolism, Thrombosis .. ..	..	..	..	..	..	..	..	..	..	..	..	..
Other Diseases of Blood Vessels ..	..	..	..	..	..	..	1	..	..	1	..	2
4.—DISEASES OF RESPIRATORY SYSTEM.												
Laryngitis	1	3	..	..	..	..	..	..	..	..	..	4
Croup .. .. .	..	2	..	..	..	..	..	..	..	..	..	2
Emphysema, Asthma .. ..	..	..	..	..	..	..	..	..	1	..	..	1
Bronchitis	17	3	..	..	..	2	5	8	12	5	..	52
Pneumonia	12	10	2	4	..	2	1	4	1	3	1	40
Pleurisy .. .. .	..	..	..	..	..	..	..	..	..	..	..	..
Other Diseases of Respiratory System	1	..	1	..	..	..	1	1	..	..	..	4
5.—DISEASES OF DIGESTIVE SYSTEM.												
Dentition	3	3	..	..	..	..	..	..	..	..	..	6
Sore Throat, Quinsy .. ..	..	..	..	..	..	..	..	..	..	..	..	..
Diseases of Stomach	1	1	..	..	..	..	1	1	..	..	..	4
Enteritis	4	1	1	..	..	..	..	..	..	..	..	6
Obstructive Diseases of Intestine ..	..	..	..	..	..	1	..	..	1	1	..	3
Peritonitis .. .. .	..	..	..	..	..	..	1	..	1	..	..	2
Ascites .. .. .	..	..	..	..	..	..	..	..	..	..	..	..
Cirrhosis of Liver .. ..	..	..	..	..	..	..	1	2	3	..	..	6
Jaundice and other Diseases of Liver..	..	..	..	..	1	..	..	..	..	..	..	1
Other Diseases of Digestive System ..	..	1	..	1	..	2	..	..	..	..	..	4
6.—DISEASES OF LYMPHATIC SYSTEM. (e.g., of Lymphatics and of Spleen) ..	..	..	1	..	..	1	..	..	..	..	..	2
7.—DISEASES OF GLAND-LIKE ORGANS OF UNCERTAIN USE. (e.g., Bronchocele, Addison's Disease) ..	..	..	..	..	..	..	1	..	..	..	..	1
8.—DISEASES OF URINARY SYSTEM.												
Nephritis	1	..	..	..	..	..	..	..	..	1	..	2
Bright's Disease, Albuminuria .. ..	..	..	..	..	1	..	1	..	1	..	..	3
Disease of Bladder or of Prostate .. ..	..	..	..	..	..	..	..	..	1	1	..	2
Other Diseases of the Urinary System ..	..	..	..	..	..	..	1	..	..	1	..	2
9.—DISEASES OF REPRODUCTIVE SYSTEM												
A. Of Organs of Generation.												
Male Organs .. .. .	..	..	..	..	..	..	..	..	..	..	..	..
Female Organs .. .. .	..	..	..	..	..	..	..	..	..	..	..	..
B. Of Parturition.												
Abortion, Miscarriage .. .. .	..	..	..	..	..	..	..	..	..	..	..	..
Puerperal Convulsions .. .. .	..	..	..	..	..	..	..	..	..	..	..	..
Placenta prævia, Flooding .. ..	..	..	..	..	1	..	..	..	..	..	..	1
Other Accidents of Child Birth ..	..	..	..	2	1	..	..	..	..	..	..	3

Deaths Registered from all Causes during the Year 1905.

	AGES.												TOTALS
	0 to 1	1 to 5	5 to 15	15 to 25	25 to 35	35 to 45	45 to 55	55 to 65	65 to 75	75 to 85	85 & up- wards		
10.—DISEASES OF BONES AND JOINTS.													
Caries, Necrosis	
Arthritis, Ostitis, Periostitis	
Other Diseases of Bones and Joints	1	..	..	..	..	..	..	..	..	1	
11.—DISEASES OF INTEGUMENTARY SYSTEM.													
Carbuncle, Phlegmon	
Other Diseases of Integumentary System	1	..	..	..	..	..	..	..	..	..	..	1
VII.—DEATHS FROM VIOLENCE.													
1.—ACCIDENT OR NEGLIGENCE.													
Fractures and Contusions	
Gunshot Wounds	1	..	..	..	..	..	..	1	
Cut, Stab	
Burn, Scald	1	..	..	..	..	..	..	..	..	..	1	
Poison	
Drowning	2	1	..	..	1	..	..	4	
Suffocation	1	..	..	..	..	..	..	..	..	1	
Otherwise	1	..	5	2	2	3	4	1	..	..	18	
2.—HOMICIDE.													
Manslaughter	
Murder	
3.—SUICIDE.													
Gunshot Wounds	
Cut, Stab	
Poison	
Drowning	1	..	..	..	..	..	1	
Hanging	
Otherwise	
4.—EXECUTION.													
Hanging	
VIII.—DEATHS FROM ILL-DEFINED AND NOT SPECIFIED CAUSES.													
Dropsy	
Debility, Atrophy, Inanition	20	1	..	..	..	..	..	1	1	..	..	23
Mortification	
Tumour	
Abscess	
Hæmorrhage	
Sudden Death (cause not ascertained)	
Causes not Specified or Ill-defined	1	..	..	..	..	2	..	3	

SUMMARY OF TABLE VI.

I.—Specific Febrile, or Zymotic Diseases.		No. of Deaths.	Brought forward		No. of Deaths.
1.	Miasmatic Diseases ..	71	VI.—Local Diseases—continued.	..	506
2.	Diarrhoeal ..	16	6. Diseases of Lymphatic System ..	..	2
3.	Malarial ..	..	7. Diseases of Gland-like Organs of uncertain use ..	..	1
4.	Zoogenous ..	..	8. Diseases of Urinary System ..	..	9
5.	Venereal ..	..	9. Diseases of Reproductive System ..	..	0
6.	Septic ..	2	(a). Diseases of Organs of Generation ..	..	4
II.—Parasitic Diseases ..	..	..	(b). Diseases of Parturition ..	..	1
III.—Dietic Diseases ..	..	..	10. Diseases of Bones and Joints ..	..	1
IV.—Constitutional Diseases ..	..	91	11. Diseases of Integumentary System ..	..	1
V.—Developmental Diseases ..	..	57	VII.—Violence.	..	25
VI.—Local Diseases.	..	67	1. Accident or Negligence ..	..	..
1. Diseases of Nervous System ..	..	..	2. Homicide ..	..	..
2. Diseases of Organs of Special Sense ..	..	..	3. Suicide ..	..	1
3. Diseases of Circulatory System ..	..	66	4. Execution ..	..	..
4. Diseases of Respiratory Sytem ..	..	103	VIII.—Ill-defined and not specified causes ..	..	26
5. Diseases of Digestive System ..	..	33			
Carried forward		506	TOTAL .. ..	..	576

NOTTS. PORTION.

TABLE VII.

Showing the number of Deaths at all ages in 1905, from certain groups of Diseases, and proportion to 1000 of Population and to 1000 Deaths from all causes ; also the number of Deaths of Infants under one year of age from other groups of Diseases ; and proportion to 1000 Births and 1000 Deaths from all causes under one year.

Division 1. All Ages.	Total Deaths.	Deaths per 1000 of population at all ages.	Deaths per 1000 of Total Deaths at all ages.
1. Principal Epidemic Diseases . . }	78	1·94	135·41
2. Pulmonary Diseases, other than Phthisis . . }	103	2·56	178·81
3. Principal Tubercular Diseases . . }	55	1·37	95·49
Division 2. Infants under 1 year.	Total Deaths.	Deaths per 1000 of Births.	Deaths per 1000 of Total Deaths under one year.
4. Wasting Diseases	46	39·21	330·93
5. Convulsive „	20	17·05	143·89

Note.—1. Includes Small-Pox, Scarlet Fever, Diphtheria, Typhus, Enteric and Simple Continued Fevers, Whooping Cough, Measles, and Diarrhœa.

2. All Respiratory Diseases except Phthisis.

3. Phthisis, Scrofula, Tuberculosis, and Tabes Mesenterica.

4. Marasmus, Atrophy, Wasting, Debility, Inanition, Premature Birth, and Improper Feeding.

5. Hydrocephalus, Infantile Meningitis, Convulsions, and Dentition.

RAINFALL REGISTERS, 1905.

Month	Total Depth Inches	Greatest Fall in 24 hours. Depth Date		Number of Days on which 'or more rain fell	Month	Total Depth. Inches	Greatest Fall in 24 hours. Depth Date		Number of Days on which 'or more rain fell
January -	'97	'32	16th	13	January -	'84	'22	16th	13
February -	'86	'16	26th	15	February -	'68	'20	26th	13
March -	2'50	'30	10th	23	March -	2'33	'35	10th	20
April -	1'69	'37	6th	20	April -	1'53	'33	6th	18
May -	'62	'26	1st	7	May -	'38	'18	1st	5
June -	2'81	'70	17th	14	June -	2'96	1'57	17th	14
July -	1'14	'56	26th	7	July -	1'11	'48	26th	6
August -	3'39	'51	3rd	21	August -	3'12	'52	17th	19
September -	1'54	'38	9th	13	September -	1'59	'57	9th	11
October -	1'29	'53	4th	17	October -	1'42	'61	4th	15
November -	2'89	'53	10th	21	November -	2'72	'51	10th	19
December -	'74	'32	28th	13	December -	'65	'31	28th	14
TOTAL -	20'44			184	TOTAL -	19'33			167
Beeston Fields, Nottingham. Gauge above ground gin. ; above sea level, 206ft. GEORGE FELLOWS.					Strelley, Nottingham. Gauge above ground, 1ft. ; above sea level, 396ft. THOMAS L. K. EDGE.				
January -	'86	'18	9th	11	January -	'738	'159	8th	10
February -	'90	'23	26th	12	February -	'500	'125	13th	8
March -	3'10	'39	10th	22	March -	1'834	'285	25th	13
April -	1'72	'35	30th	21	April -	1'224	'310	6th	10
May -	'51	'28	1st	5	May -	'223	'180	1st	3
June -	2'93	1'56	17th	17	June -	3'230	1'900	16th	11
July -	1'47	'61	9th	9	July -	1'785	1'210	9th	6
August -	3'60	'59	3rd	18	August -	2'883	'460	17th	17
September -	1'48	'56	9th	11	September -	1'611	'405	28th	9
October -	1'28	'48	4th	13	October -	1'348	'490	4th	11
November -	3'23	'70	10th	16	November -	2'450	'499	10th	14
December -	'64	'36	28th	7	December -	'552	'245	28th	6
TOTAL -	21'72			162	TOTAL -	18'378			118
Eastwood, Notts. Gauge above ground, 1ft. ; above sea level, 245ft. JNO. W. FRYER.					Corporation Farm, Stoke Bardolph, Notts. Gauge above ground, 1ft. ; above sea level, 65'8ft. ARTHUR A. AVIS.				
January -	'75	'17	16th	13	January -	'680	'150	9, 16	14
February -	'89	'20	26th	10	February -	'730	'120	13, 26	13
March -	2'62	'38	10th	19	March -	2'290	'300	10th	21
April -	1'64	'34	6th	17	April -	1'680	'330	6th	20
May -	'49	'36	1st	6	May -	'490	'250	1st	8
June -	2'33	1'00	17th	14	June -	3'180	1'720	17th	15
July -	1'66	1'07	9th	8	July -	1'120	'430	26th	9
August -	3'83	'68	25th	18	August -	3'470	'450	3rd	17
September -	1'39	'60	9th	12	September -	1'490	'350	9, 28	10
October -	'88	'24	15th	15	October -	1'110	'440	4th	12
November -	3'62	'83	10th	20	November -	2'610	'450	10th	17
December -	'47	'20	28th	9	December -	'660	'250	28th	12
TOTAL -	20'57			161	TOTAL -	19'510			168
Selston Waterworks, nr. Annesley, Notts. Gauge above ground, 1ft. ; above sea level 475 ft. G. I. FLETCHER.					Burton Joyce Waterworks, Notts. Gauge above ground, gin. ; above sea level, 64ft. F. W. DAVIES.				

ABSTRACT OF OBSERVATIONS AT HODSOCK PRIORY, DURING 1905.

MONTHS.	TEMPERATURE										RAINFALL				SUNSHINE		CLOUD		BAROMETER								
	MEAN DAILY						No. of frosts		At 9 a.m.				Total	Difference from Average	Greatest Fall	Date	No. of rain days	Total	Difference from Average	Mean amount	Relative humidity 9 a.m.	Inches	Inches	Mean	Difference from Average		
	Max.	Min	Range	Mean	Diff. from Aver- age	Highest in screen	Lowest in screen	Lowest on grass	In screen	On grass	Air	Soil at 1 foot														Soil at 2 feet	Soil at 4 feet
January	- 43.6	31.9	11.7	37.7	+0.8	Deg. 52.9	13.4	2.5	15	24	Deg. 36.6	37.2	38.7	41.0	Deg. 53	1.17	.17	16	10	49.3	+12.9	Hours	84	30.218	+ .216		
February	- 46.8	34.9	11.9	40.9	+2.2	58.2	24.2	16.3	9	20	40.1	38.6	39.1	40.4	.73	—	.23	25	9	47.2	— 9.5	6.3	83	30.113	+ .161		
March	- 53.4	36.4	17.0	44.9	+3.5	60.5	27.0	17.0	6	22	44.0	42.1	42.2	42.1	1.97	+ .30	.39	28	19	105.5	+ 4.7	5.5	84	29.682	— .215		
April	- 53.0	38.3	14.7	45.7	+0.2	62.2	25.0	15.8	4	15	46.8	45.8	45.9	45.2	1.74	+ .06	.29	6	21	115.3	— 16.4	7.1	76	29.835	.078		
May	- 62.0	40.6	21.4	51.3	+0.4	75.6	27.6	16.5	3	16	53.7	51.3	50.6	48.7	.42	— 1.71	.32	1	4	172.0	+ 1.6	6.4	70	30.148	+ .156		
June	- 69.1	48.0	21.1	58.6	+1.5	77.4	35.6	27.1	..	5	61.1	58.0	56.5	53.5	2.41	+ .38	1.13	17	11	196.9	+ 32.2	6.5	71	29.985	— .013		
July	- 74.3	53.0	21.3	63.7	+3.3	83.5	42.5	30.0	..	1	66.0	62.6	60.8	57.8	1.31	— 1.02	.37	26	9	208.1	+ 41.6	5.6	69	30.031	+ .086		
August	- 68.1	49.8	18.3	59.0	— 0.3	74.5	38.7	29.2	..	1	59.8	59.2	59.0	57.5	2.43	—	.63	25	16	147.2	— 0.5	7.2	76	29.874	— .051		
Sept'ber	- 62.8	46.3	16.5	54.6	— 0.8	72.4	31.7	24.4	1	8	55.8	55.3	55.7	55.5	1.21	— .67	.37	9	13	103.0	— 15.5	6.6	80	29.969	— .014		
October	- 53.0	37.4	15.6	45.2	+2.6	64.1	26.4	15.3	10	22	46.0	47.4	49.1	50.9	1.17	— 1.43	.34	4.15	13	85.8	+ 2.8	6.6	83	30.004	+ .092		
Nov'ber	- 46.4	34.1	12.3	40.3	— 2.4	53.0	23.5	13.8	7	22	39.5	42.3	43.8	46.0	2.56	+ .57	.63	10	17	39.6	— 6.2	7.2	93	29.695	— .242		
Dec'ber	- 45.0	33.8	11.2	39.4	+1.5	56.5	27.2	17.2	11	23	38.1	39.6	40.9	43.0	.43	— 1.68	.21	28	10	30.9	+ 0.8	7.0	94	30.195	+ .278		
The Year	56.5	40.4	16.1	48.4	+0.6	83.5	13.4	2.5	66	179	49.0	48.3	48.5	48.5	16.91	— 7.48	1.13	152	1300.8	+ 48.5	6.4	80	29.979	+ .031			

NOTES TO ABOVE TABLE.

Height above Mean Sea Level, 56 feet.
 The instruments used have all been verified at Kew, the thermometers are exposed in a "Stevenson" screen.
 A "rain day" is one on which at least .01 falls.
 The sunshine recorder is of the Campbell Stokes pattern.
 The amount of cloud is the mean of observations at 9 a.m. and 9 p.m., on a scale of 0-10, 10 representing an overcast sky.
 Relative Humidity, 100 represents complete saturation.
 Barometer, mean of readings at 9 a.m. and 9 p.m., corrected and reduced to 32° and mean sea level.

The highest reading of the barometer during the year was 30.878, on January 28 and December 12.
 The lowest reading of the barometer during the year was 28.781, on November 26.
 The highest temperature of the soil at a depth of 1 foot was 65.4, at a depth of 2 feet 62.4 and at a depth of 4 feet 58.7.
 The lowest temperature of the soil at a depth of 1 foot was 34.8, at a depth of 2 feet 36.4, and at a depth of 4 feet 39.0.
 There were 65 days on which no sunshine was recorded, and 76 days on which it shone for at least half the time it was above the horizon.

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